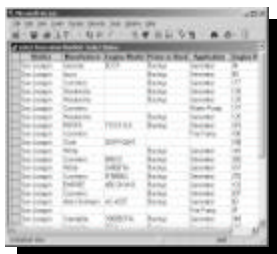


**PUBLIC CONSULTATION MEETING TO DISCUSS REGULATORY  
APPROACHES TO REDUCE EMISSIONS FROM STATIONARY  
DIESEL-FUELED ENGINES**

**Summary of Stationary Emergency/Stand-by  
Diesel-Fueled Engine Survey Results**



Permit #	Engine Manufacturer	Model	Year	HP	Hours	Age	Engine Type	Engine Status	Engine Location
1000000000000000000	Cummins	NT855	2000	855	1000	2	Emergency/Stand-by	Operating	San Francisco
1000000000000000001	Cummins	NT855	2000	855	1000	2	Emergency/Stand-by	Operating	San Francisco
1000000000000000002	Cummins	NT855	2000	855	1000	2	Emergency/Stand-by	Operating	San Francisco
1000000000000000003	Cummins	NT855	2000	855	1000	2	Emergency/Stand-by	Operating	San Francisco
1000000000000000004	Cummins	NT855	2000	855	1000	2	Emergency/Stand-by	Operating	San Francisco
1000000000000000005	Cummins	NT855	2000	855	1000	2	Emergency/Stand-by	Operating	San Francisco
1000000000000000006	Cummins	NT855	2000	855	1000	2	Emergency/Stand-by	Operating	San Francisco
1000000000000000007	Cummins	NT855	2000	855	1000	2	Emergency/Stand-by	Operating	San Francisco
1000000000000000008	Cummins	NT855	2000	855	1000	2	Emergency/Stand-by	Operating	San Francisco
1000000000000000009	Cummins	NT855	2000	855	1000	2	Emergency/Stand-by	Operating	San Francisco
1000000000000000010	Cummins	NT855	2000	855	1000	2	Emergency/Stand-by	Operating	San Francisco



November 19, 2002



California Environmental Protection Agency  
Air Resources Board

**Stationary Emergency/Stand-by Diesel-Fueled Engine Survey Results**

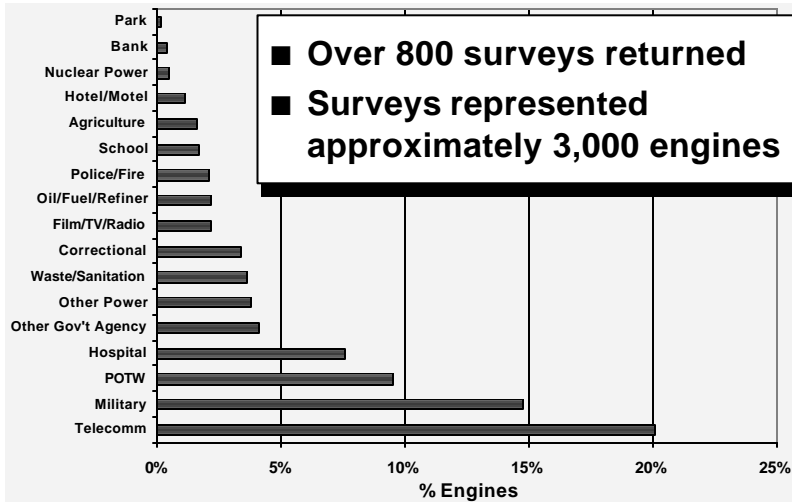
**Survey Background**

- **Why did we conduct a survey?**
  - ◆ Proposed tiered approach based on maintenance and testing hours of operation for emergency/stand-by (E/S) engines
  - ◆ Needed better data on actual hours of operation, engine age, horsepower range
- **Who did we contact?**
  - ◆ Facilities with permitted stationary E/S engines
- **What kind of information did we request?**
  - ◆ Permit #, engine manufacturer, model, year or approximate age, horsepower, and actual hours of operation for last three years



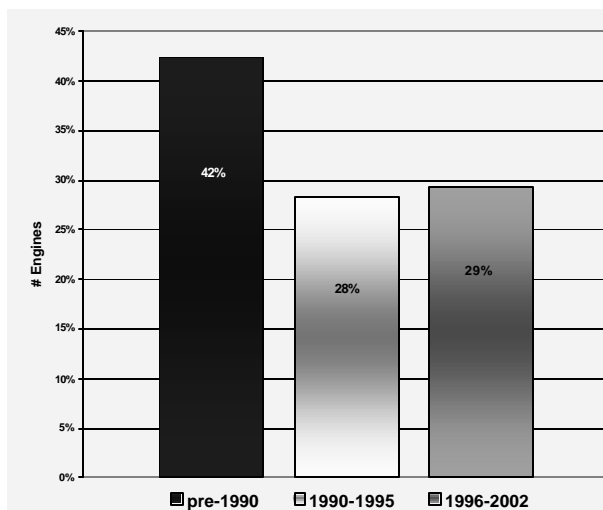
## Stationary Emergency/Stand-by Diesel-Fueled Engine Survey Results

### Survey Responses



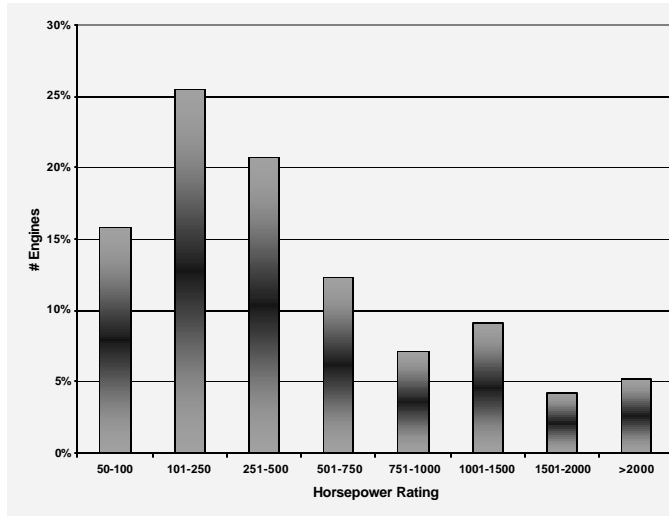
## Stationary Emergency/Stand-by Diesel-Fueled Engine Survey Results

### Average Engine Model Year



## Stationary Emergency/Stand-by Diesel-Fueled Engine Survey Results

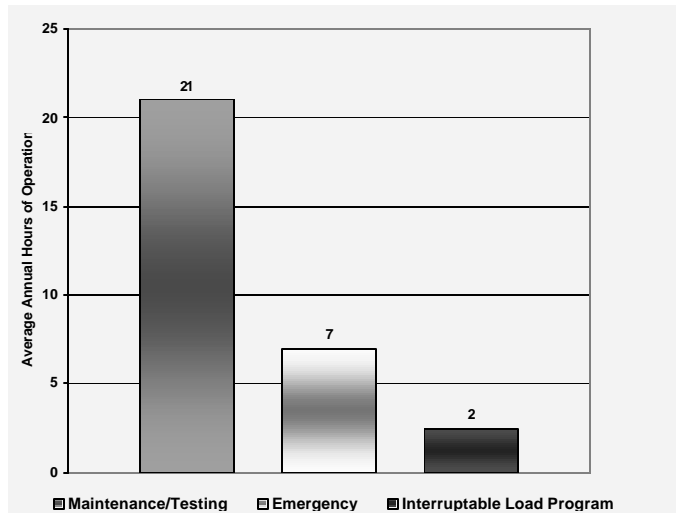
### Average Horsepower Rating



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## Stationary Emergency/Stand-by Diesel-Fueled Engine Survey Results

### Average Annual Hours of Operation (3-Year Data)



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**Stationary Emergency/Stand-by Diesel-Fueled Engine Survey Results**

## **Summary**

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### **Average Annual Hours of Operation for Maintenance/Testing**

<b>Annual M/T Hours</b>	<b>% Engines</b>
0-15	47%
16-30	40%
31-40	6%
41-100	6%
>100	1%

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**Stationary Emergency/Stand-by Diesel-Fueled Engine Survey Results**

## **Contact Information**

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**Survey Data:**     **Lisa Williams**  
                             **916.327.1498**  
                             **lwilliam@arb.ca.gov**



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